



DO THE ABOVE PROBLEMS IN YOUR NOTEBOOK DO NOT WORK ON THIS SHEET.

1. An incident beam in ice at 45.7° to the normal enters glycerin. What is the angle of refraction?
2. An unknown substance has an incident ray of light with an angle of 26.0° . If the angle of refraction is 24.4° in crown glass, what is the unknown substance?
3. If a ray travelling through lime glass produces an angle of refraction of 25° in carbon disulfide, what is the angle of incidence?
4. A jeweler is testing a material to see if it is diamond. As the material is put in front of an incident ray with an angle of 34.5° , and the angle of refraction is 17.2° , what is the jeweler's conclusion?
5. A beam of light from carbon tetrachloride enters oleic acid. If the angle of incidence is 86° , what is the angle of refraction?
6. A beam of light enters Lucite from ethyl alcohol. If the angle of refraction is 0° , what is the angle of incidence?

- TRACE THE LIGHT THROUGH THE SUBSTANCES.

